
Subject: Re: Adult Anemia

Posted by [Bridgette-DHS](#) on Mon, 12 Jul 2021 15:34:18 GMT

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Following is a response from DHS Research & Data Analysis Director, Tom Pullum:

Sorry for the delay with this reply. In the main report on the NFHS-4, I have checked tables 10.21.1 (for women) and 10.21.2 (for men) against the data files, using ha56 and hb56, respectively. Those variables give the Hb concentrations for women and men, adjusted for altitude and smoking. I get matches for both women and men.

The problem you encountered with 10.21.2 is due to an incorrect construction of hb57. That variable, and ha57, are constructed from ha56 and hb56, using specified ranges. For women, the threshold for mild anemia is Hb<12, for moderate is Hb<10, and for severe is <7. For men, those thresholds are supposed to be 13, 12, and 9. However, I see that we (DHS) incorrectly used the same thresholds for men as for women when constructing hb57. The minimum and maximum values from the Stata lines given below will confirm that.

Fortunately, however, as I said, table 10.21.2 was constructed using hb56, and correctly, rather than using hb57. The numbers in the report are correct. To match table 10.21.2, you will have to work from hb56, or else reconstruct hb57 using the correct thresholds for men and then use hb57.

Thanks for bringing this to our attention.

```
summarize ha56 if ha57==1
```

```
summarize ha56 if ha57==2
```

```
summarize ha56 if ha57==3
```

```
summarize ha56 if ha57==4
```

* For women, the ranges of ha56 within categories of ha57 are correct

* The lower ends for categories 2, 3, 4 are 70, 100, and 120, as they should be

```
summarize hb56 if hb57==1
```

```
summarize hb56 if hb57==2
```

```
summarize hb56 if hb57==3
```

```
summarize hb56 if hb57==4
```

* For men, the ranges of ha56 within categories of ha57 are NOT correct

* The lower ends for categories 2, 3, 4 are 70, 100, and 120, but should be 90, 120, and 130

* The Hb ranges for women were used in the recode for men, as well as for women